

Auckland Is. - ZL9 Ron Wright ZL1AMO's planned 1988 DXpedition to Auckland (OC-37) is still requesting donations. The two-week trip should provide ample opportunity for DXer to catch #32 on The DX Bulletin's 1987 Most Wanted list. Wayne N7NG will accompany Ron.

Cocos - TI9 Carlos TI8CBT finally made good on his long-promised trip to Cocos (NA-12), showing as TI9M on Dec. 10. The all-SSB operation was scheduled for one week. QSL to TI8CBT with IRCs or Green Stamp (no bureau cards.) He promises better QSL service.

Revillagigedo - XF4 Rumors abound about a possible 2-day operation from XF4 (NA-30) by 2 Mexican amateurs. XE1BEF and XE1ARB are calls mentioned. Listen Dec. 16-18.

Edited by Chod Harris VP2ML

The DX Bulletin

America's Premier Weekly Amateur Radio Publication

Mozambique - C9 C9MKT says his license was issued in honor of the 100th anniversary of the city of Mapulo, and was of a limited duration. The license, in Portuguese, has been sent to QSL manager SM5KDM to be forwarded to the DXCC desk.

Guinea-Bissau - J5 Dave K8MN is due on from this African spot about now. No reports yet.

Sri Lanka - 4S DX-NL reports that DK1ZN and DJ0CP will operate as DK1ZN/4S7 and 4S7YLR (AS-03) Dec. 28-Jan. 28, on 10-15M, SSB, CW, and RTTY. They might try lower bands as well. QSL home calls.

Little Cayman - ZF8 John W7KNT will be on as ZF2KH/ZF8 Jan 3-10, 1988, all bands, on usual DX frequencies. QSL home call, Box 64, Stevensville MT 59870. ZF2KZ last week was Jan OH1ZAA, QSL home call.

DXCC News

The ARRL Hq. Awards Committee immediately voted to accept Aruba - P4 as a new addition to the DXCC list, effective Jan. 1, 1986. However, don't submit cards until after April 1, 1988, the day after the deadline for the next Honor Roll listing. John W2GD will return as P40GD for ARRL CW; QSL N2MM.

Shortly Noted

- Daniel 6W7OG often joins VK9NS on 14220 kHz at 0530Z.
- Mike VK9ZG on Willis (OC-07) joins RF0FWW on 14198 kHz at 1200Z. QSL VK9KZH.
- Warwick ZL3AFH is on Penryn Is. (OC-82) in the North Cooks as ZK1WL for two years. QSL Box 127, Rarotonga, South Cooks.
- VI88ABC will be on from Australia Jan. 4-Mar. 4, 1988, esp. Jan. 15-28, in honor of the Australian Bicentennial. QSL Box 2376, Richmond South, Victoria 3121.
- Dick ZS6RM says the South African authorities have not received an application from George VE3FXT for his hoped-for Marion Is. ZS8MI operation.
- VK0HI on Heard Is. (AN-03) wraps up his operation on Jan. 28th. He's often on 14215 kHz at 0400Z (list taken at 0330Z.)
- S42CA from the South African homeland of Ciskei (counts as ZS for DXCC) QSLs via ZS2JL.
- 9X5NH likes 21292 kHz, at 1300 and 1800Z. QSL via DJ6EA.
- Yannick F6FYD will be on as J20YD through Dec. 26.

Islands On The Air

- Roland TR8CR hopes to return to Bioko Is. (AF-10) as 3C3CR in Jan., mostly CW.
- 5T0RIM is scheduled for April 1-3 from Tidra Is. (AF-??).
- Sicily IT9 hams (EU-25) can use the IQ9 prefix Jan. 9-17.
- WA9YHW/HR6 likes 10 meters. QSL The Rev. John Miller, French Harbor, Roatan Is., Honduras, with 4 US \$0.22 stamps (NA-57).
- ZX8ET is Eddie PR8ET on Sao Luis (SA-16).
- IOTA rumors for 1988: Sabana and Camaguey Is. by Cubans soon; Ullung (AS-45) by Koreans; Danjo (AS-12) by JI6KVR in May. [The latest IOTA Directory and rules are available from The DX Bulletin for US\$3, postpaid.]

DXCC Golden Jubilee Times 2

The good band conditions and CQWW DXpeditions put more The DX Bulletin readers over the 200 country mark for 1987. AA4KT was at 210 on Dec. 1. W6PQS reached 200 on Nov. 30. N5FTR did it on Dec. 6. WA3AFS was at 209 on Dec. 4. AA4SY hit 200 on Nov. 26. W1JR got to 200 on Dec. 4.

PROPAGATION

Forecast and Historical Data

Day Forecast		27 Days Before			55 Days Before		
December		Date	Flux	A K	Date	Flux	A K
18	High Nor	11/21	118	09/11 0	10/24	88	14/29 3
19	High/Above	11/22	121	08/10 2	10/25	93	10/43 3
20	Disturbed	11/23	118	27/47 3	10/26	98	10/18 2
21	Below Nor	11/24	112	24/29 4	10/27	107	20/46 4
22	High/Low	11/25	108	13/17 4	10/28	108	28/58 4
23	Low Normal	11/26	104	14/21 4	10/29	104	19/23 3
24	Below Nor	11/27	98	22/34 4	10/30	106	15/19 1
25	High/Low	11/28	95	12/13 1	10/31	99	08/15 1
26	High Nor	11/29	93	04/06 1	11/1	101	12/13 1
27	High Nor	11/30	92	02/04 1	11/2	107	14/28 4
28	High Nor	12/01	90	03/07 1	11/3	100	22/32 5

Thanks N4XX

and KH6BZF

Propagation Watch

Solar flux levels have tended downward recently, after peaking in mid-November. Flux remained below 100 for the first two weeks of December, and even dipped below 90 for about a week. This leveling out of solar activity has cut into 10 meter openings, and shortened 15 meter openings.

Although relatively few sunspots are surviving the rotation around the back of the sun, some month-to-month trends continue. These trends suggest that solar flux should pick up around the 25th, and again soon after the first of the year.

The good news has been extremely low absorption. The first two weeks of December has been marked by Boulder A-indices below 15, without any of the storminess of the previous two months. The Boulder A index actually dropped to 0 on Dec. 8! The K index similarly shows very low absorption, hovering in the 0-1 range for days at a time.

This very low absorption has produced spectacular low band openings. The West Coast is working in Europe on 80 and 160 meters with good signals, and the Northeast is enjoying openings into Japan and Asia. The Dec. 7-9 range was a great time to be on 160.

The chances that the sun remains so quiet through the next rotation are slim, but look for good low band conditions again the first week in January. Meanwhile, the very long nights in the Northern hemisphere provide better than average openings on 80 and 160 meters at this time of year.

Cycle 22

The preliminary sunspot count for November is 40.9, a sharp drop from the October value of 61, but still higher than the sunspot number for any other month in the past two years. This pulled the 13-month smoothed sunspot number for May up to 26.3, from 24.2 the previous month.

Sunspot numbers continue to increase well above official predictions, even when adjusted for the rather high minimum of 12 in Sept., 1986. We are entering the rapidly increasing portion of sunspot cycle, where sunspot numbers double in a year. Experts are predicting a smoothed sunspot number of 75 for June, 1988 (with a range of 35-115.) But so far in Cycle 22, observed values have been running 20-50% ahead of predictions. This bodes well for the next few years.

Band Country Totals Wanted

What are your band country totals? For its semi-annual listing, The DX Bulletin wants your totals by the end of the year. Send breakdown by band of current DXCC countries only to Box 50, Fulton CA 95439. These should be confirmed contacts. We won't add WARC band totals this time. Send in your scores today.

Tunisia DXpedition Cancelled

[Intrepid traveler Craig Maxey WB7RFA spent hundreds of dollars on dozens of international telephone calls and telexes before receiving permission to operate from Tunisia for CQWW SSB, but all for naught. Craig reports to The DX Bulletin:]

About my 3V8 and 7X0 operation. It was a disaster. I arrived in Tunis and all of my gear was confiscated. I was detained there at the customs office for about four and a half hours. I spoke neither French nor Arabic and this posed a tremendous problem for me. I finally received a piece of paper that I was to get stamped by the P.T.T. I went to see Mr. Abdallah of the P.T.T. and he told me that they would vote on the following day. I went in the following day at sunrise, and he told me they would vote at noon. I waited until noon and met with five cabinet members, one of whom was the military governor. They voted four in favor and one against, but the No vote came from the military. They told me to possibly try again at a later date when the relations in Northern Africa were better. [A few days later, the military staged a coup in Tunisia -ed.]

I then flew back to Frankfurt and the same day flew to Algiers. When I arrived in Algiers, I went through the same process again. Gear confiscated, but here I knew it was hopeful to find 7X2LS, which I did. The taxi took me directly to his house, where his 3-element tribander looked great to me. I met Sadek's family, and then Sadek came home from work. He was very surprised to see a young guy, a ham from the states, standing there in his shack. He said he would try to get me a license the next day. Well, we tried and didn't succeed. I then told Sadek that I would return to Germany, since I could not get a license and it was now two days before the CQWW test, and I didn't have much time to set up a station.

Being in the Air Force, I operated WB7RFA/DA1 from Germany. A single band effort on 28 MHz produced 88 countries, 25 zones, and 385 QSOs. Conditions were not that great.

I have slides from my trip and possibly will try again next year. I do not know. Americans are not liked in Northern Africa. I am certainly glad to be home.

(s) Craig WB7RFA

DX Net List

Dieter Konrad OE2DYL has produced the 1988 edition of his popular "DX Nets Around the World" list. This seventh edition contains data about more than 100 active DX nets. The list is arranged by date and time of operation, and includes frequency, usual net control, and geographic area. Cost is US\$3 airmail. A package of all seven editions is also available for US\$8. IRCs are accepted at 3/US\$. Include an SAE. Address: Bessarabierstr. 39, A-5020 Salzburg, Austria.

Thailand Report

Our Thailand correspondent says that HS0B may get permission to operate full-time in 1988, expanding the present weekend-only operation. Watch for long path openings 2330-0130Z on 20 meters, especially from southern US. HS0A again has permission to operate all major contests in 1988. HS0A QSLs 100% via the bureau, after waiting a few months for direct cards. Unfortunately, the local post office has discovered that slightly bulging envelopes addressed to RAST (from the doubled-over SAE) contain Green Stamps, and many direct QSL requests never make it to RAST. Try sending your SAE in a larger envelope with the US\$1 well hidden, or send direct to K2BA, c/o American Embassy Bangkok, APO San Francisco CA 96346.

BANDPASS

Reports Wanted,
Especially RTTY, 30 meters

-----RTTY-----

4K1LPK 14088 0540 6 OH
4X6RA 14092 1353 5 MN
9M6MO 21091 0020 5 CA
CO2BB 21089 2112 6 CA
EA9JV 21081 1423 6 MN
HK0BKX 14094 0014 5 CA
HK0BKX 14092 1430 4 ND
JD1/ 14094 2332 1 CA

7J1ADX Ogasawara

KG4SG 14081 0020 11 CA
SV3TC 14096 1358 5 MN
TI2BFM 14098 2118 3 ND
TI8ZB 14088 0020 1 CA
UT5RP 14090 1345 8 ND
V85GA 21095 2300 28 CA
ZK1CG 14093 0146 14 CA

-----160 Meters-----

3B8CF 1832 0120 28 MO
5L7U 1812 0210 29 WI
9M2AX 1806 1450 5 CA
CO2PY 1833 0445 27 MI
EI8H 1837 2253 7 MD
HG7B 1834 0302 23 MA
HG9R 1834 0115 22 MA
JF1NZW 1805 1250 1 MI
KH6CC 1829 0509 3 MD
KX6DC 1833 1150 26 MO
LU1DVI/H 1841 0506 9 IL
LX9BV 1834 0207 28 MD
OK1DFP/P 1831 0455 6 MD
OK1DWJ 1833 2350 22 MA
OX3CS 1833 0130 8 MD
P40GD 1833 0310 1 MD
TI9M 1840 0415 10 VA
UC2WAZ 1838 2215 8 IL
UR2RGN 1832 2210 8 NH
VE8HL 1831 0326 2 NH
VP2VA 1826 0430 1 MI
YO3CD 1834 2305 8 IL
YU2TW 1834 0030 23 MO

-----80 Meters-----

3B8CF 3502 0136 5 KY
4U1UN 3507 0131 5 KY
CU2AT 3503 0315 12 FL
EA8RL 3505 0206 28 MO
OK3CSC 3500 1510 5 OR
RA0FA 3507 1153 9 FL
RO5OL 3506 0338 9 MO
RT4UF 3508 0445 8 MO
SM5DQC * 3500 1438 7 OR
TA2D 3500 0140 22 MA
UA0LGK 3511 1256 9 AL
UA0UDC 3502 1511 9 OR
UA2FGA 3502 0240 8 MO
UB5IFN 3507 0240 8 MO
UG6GD 3501 0319 12 FL
UP2BHN 3505 0229 9 FL
UZ9CWB 3501 0305 8 MA
YD1LBY 3504 1140 3 MA

-----75 Meters-----

5L2T 3795 0055 6 NH
BY4WNG 3789 1430 5 CA

CU1CB 3798 0710 6 MT
EA9JV 3796 0300 8 AZ
HI500UD 3799 0432 6 AZ
SV1DO 3795 0340 10 VA
TI9M 3795 0320 10 VA
V47NXX 3796 0332 11 AZ
ZF2LQ 3794 0732 6 MT
ZS1MH 3791 0401 6 AZ

-----40 Meters-----

3B8CF 7003 0215 7 MA
3X0A 7004 2315 7 FL
4K1F 7002 0154 3 AZ
4U/OF6XY 7001 2143 27 MA
4U1UN 7004 0310 5 OR
5H3BH 7002 0318 5 CT
5L2CU 7002 0011 8 MD
9Q5DA 7009 0540 1 CA
9Q5DA 7011 2200 1 MA
9Q5NW 7006 0349 4 MO
BY4WNG 7001 1530 24 CA
CN2AQ 7009 0503 5 CT
CN8FC 7007 2332 5 NH
EA6YL 7010 0031 11 FL
FT5ZB 7006 1345 4 MT
FT5ZB 7007 1233 11 FL
GD3AHV 7008 1604 4 OR
HI500UD 7016 0530 5 CT
OH0RJ 7006 1400 5 MN
OX3KD 7000 0252 10 OR
PZ1DV 7001 0345 6 MT
RV0YF 7005 1006 10 OR

Zone 23

SU1AH 7006 1945 30 MA
TA2Q 7010 0008 9 AL
TO8KB 7004 1530 6 MT
TR8JLD 7009 0344 4 CT
TU4CO 7010 2120 1 MA
UF6FHM 7008 0156 8 FL
UL7TX 7005 1219 6 MD
UL8CWJ 7015 0346 6 MT
UM8MBA 7003 0034 11 FL
UQ1GWW 7021 0248 5 KY
UR1RWX * 7007 1154 8 FL
V47NX 7000 0417 4 OR
V85AA 7004 1530 3 CA
VS6DO 7003 1223 8 AL
VU40JOS 7004 1219 11 FL
VU40TTC 7005 1225 10 VA

-----30 Meters-----

FT5ZB 10104 0010 3 WI
VK5KL 10101 1958 4 MA

-----20 Meter CW-----

3B8CF 14028 0230 10 FL
4K1F 14001 0200 3 GA
4S7NE 14004 0125 1 CA
4U1VIC 14028 1217 8 FL
5H3BH 14025 1915 6 OR
8R1J 14033 1400 2 OR
9M2AX 14017 0003 5 MO
BY1QH 14022 0215 3 GA
BY4RB 14021 0100 5 MO
BY9GA 14024 0115 10 VA

Zone 23

HB0CZS 14001 1246 7 AL
HK0BKX 14020 2250 6 MO
HL1LW 14024 0056 5 KY
HS0B 14021 1337 27 SC
HZ1HZ 14021 1238 25 MA
J28CI 14015 2050 5 NH

LU1ZA 14052 0047 11 FL
P43SF 14008 2104 8 FL
RT0U 14037 1325 7 MA
T32AB 14003 2335 22 AZ
TA1A 14027 2125 3 CT
TO8KBT 14026 1210 10 VA
U1P/ 14018 1804 30 MA
UA10IL

UA0OS 14021 0200 10 VA
UA2FY 14041 1316 3 AL
UR2RFG 14031 1320 3 IN
V2AZL 14004 2024 6 MT
VU2TJW 14025 1228 8 FL
YB0ATA 14026 2255 5 MN
YH5PG 14005 1205 7 VA
ZK1XS 14011 0225 3 GA

-----20 Meter SSB-----

3C1MB 14162 2210 5 OR
4S7EA 14169 0530 2 CA
5L2AH 14192 2023 5 OR
5L2BA 14235 2200 7 CA
5T5NU 14195 2115 5 NH
5V7SA 14228 2227 1 TX
5V7WD 14160 2130 16 CA
5Z4BP 14175 2200 6 MT
6W6JX 14160 0125 10 VA
8R1AMO 14181 2157 6 MT
9L1RK 14162 2245 5 DE
9N1MM 14236 0055 18 CA
9Q5NW 14191 2150 5 NH
A22RB 14163 2036 2 MA
A22RB 14219 0520 5 VA
A4XKB 14185 1410 4 MD
A92BE 14210 0530 4 PA
A92BE * 14165 1400 2 IA
A92EM 14105 1438 21 CA
AH0A 14212 0605 5 VA
AP2MQ 14183 0610 2 CA
BY4RN 14194 0140 10 VA
C6ADJ 14208 2209 6 OR
CE0ICD 14180 0436 6 MD
FH4EC 14183 1824 4 MA
FH8CB 14160 2235 9 VA
FR5ZN 14160 2133 4 VA
FT5ZB 14213 1643 10 CA
FT5ZB 14205 0354 4 MD
HV3SJ 14292 1425 5 VA
J73LC 14190 2207 6 OR
J87CD 14160 2212 6 OR
JT/OK1XC 14151 0211 10 OR
JW5E 14197 1800 7 MA
KC4USX 14276 0230 2 CT
KG4JO 14250 0611 6 CT
KX6DC 14226 2350 2 CA
OD5KV 14226 2120 4 VA
PY0FF 14162 0135 4 NC
PY0FF 14236 0030 8 CA
S42CA 14210 0450 12 CT
S83H 14232 0352 8 TX
TJ1BM 14160 2204 9 VA
TL8DN 14160 2100 20 CA
TR8GA 14203 2023 2 MA
TR8JLD 14183 1942 5 MN
TZ6MG 14225 2145 4 VA
TZ6MG 14160 2330 4 DE
VK0GC 14220 0615 5 VA
VK0HI 14215 0405 1 CT
VK0HI 14215 0200 4 PA
VK0YH 14197 1630 2 CA
YN3ACZ 14176 0145 4 CA
ZD9CM 14184 0457 2 NC
ZF8/ 14226 1700 3 PA
ZF2AG
ZK1XS 14309 0256 3 PA
ZS3W 14225 2350 4 VA

-----15 Meter CW-----

7X25AX 21005 1300 1 GA
9L1GG 21003 2110 7 OR
BY9GA 21025 0020 4 CA
CE0FFD 21023 1505 11 FL
EA9KD 21028 1759 3 IN
J79JC 21017 1003 4 MT
KH3/WY5L 21023 2135 7 IA
OY3H 21015 1514 8 FL
P43GR 21024 1300 8 FL
PZ2AC 21027 1748 6 MT
ST2/ 21025 1722 27 LA
PA0GAM
TA1KA/2 21025 1529 12 FL
TO8KB 21020 1949 7 MT
VP8BNW 21006 2108 8 FL
Z21EE 21025 1808 10 CA

-----15 Meter SSB-----

3X0A 21290 1824 28 IL
5H3BH 21300 1845 1 CA
5H3RB 21267 1643 5 NH
5N4/ 21258 2040 5 OH
4X4FF
5V7WD 21310 1443 3 TX
5Z4DU 21230 1930 5 IA
5Z4JB 21229 2030 5 CT
9J2EZ 21290 1745 1 IA
9Q5DA 21280 2025 2 CA
9Q5NW 21250 1930 6 IA
CN2AQ 21290 1425 5 NH
CN8DQ 21269 1517 6 MA
EA9IB 21290 1726 29 CA
EA9NN 21262 1640 5 NH
FH8CB 21298 1756 1 IL
FR5EL 21250 1350 5 NH
HH7PV 21244 2038 5 MT
HK0HEU 21244 1359 6 MD
HK0HEU 21345 1930 7 CA
HV3SJ 21293 1424 5 MD
J88AQ 21300 1705 5 CT
KH3/ 21335 2052 5 MT

WH6BLQ

OY6FRA 21220 2210 9 VA
S42CA 21260 1837 4 NC
S92LB 21295 2015 25 GA
TR8SA 21286 1935 6 IA
TU2QQ 21213 1615 5 NH
TZ6VV 21273 1851 27 IL
V47NXX 21350 2051 7 TX
VK9NL 21259 2250 5 MD
Z21BA 21273 1845 5 CA
ZD7CW 21335 1190 4 FL
ZD8MAC 21253 1829 11 CA
ZD9BV 21265 1181 5 DE
ZD9BV 21265 1734 5 KY
ZX8ET 21291 1636 5 KY

-----12 Meters-----

3X0A 24950 1727 27 MA
FK8FN 24892 1957 25 MA
KV4AD 24950 2054 5 NH
TL8CK 24945 1609 1 MA

-----10 Meter CW-----

9Q5DA 28022 1705 27 LA
BV2DA 28019 0022 2 CA
YN3CC 28028 2130 27 MA

-----10 Meter SSB-----

5T5NU 28438 2002 5 MA
A22RB 28505 1420 2 TX
CN8MK 28465 1524 28 VT
FR5DX 28531 1445 28 VT
HK0HEU 28595 1640 6 OH
KH2F 28520 2132 5 TX
TU2QQ 28560 1650 26 SC
VP8BKK 28509 2048 1 TX
ZS3GB 28520 1510 6 NH
TDXB 417 •

Key to Bandpass: Callsign, frequency, UTC, day of month, state. * = long path, P = Packet. All "portable" calls are listed with country of operation first, regardless of format used on the air.

State _____ Postal Code _____
 City _____
 Address _____
 Name _____
 Call sign _____
 Signature _____
 Expires _____
 Charge my MasterCard _____
 () Check enclosed OR () Visa account # _____
 \$50 Overseas Airmail Overseas subscribers send U.S. cash, postal money order or check drawn on U.S. bank.
 \$28 Second-Class Mail to Lower 48 States
 \$35 First-Class Mail
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NEWSPAPER

CALENDAR

Issue 417 - Dec. 18, 1987

(Changes and hot info in boldface.)
 Amsterdam - FT8Z FT5ZB 7002 at 1500Z I415
 Auckland - ZL9 Feb. 88 by ZL1AMO I402
 Donations requested
 Belize - V3 V31JZ on CW Jan 3-7 I415
 Botswana - A2 A22RB 10, 15 SSB I415
 A22BW RTTY 21089 kHz I415
 A22EE 28406 1430Z I416
 China - BY BY4WNG 40, 75M I412
 Christmas - VK9X VK9YD/VK9X Dec 19-22 I416
 Cocos - TI9 TI9M wrapping up I417
 Cocos-Keeling VK9YD Dec. 22-28 I416
 Grenada - J3 Feb-Mar by K4LTA I406
 Guinea-Bissau J5 by K8MN soon (?) I415
 Heard Is. - VK0 VK0HI Now - May I405
 14250 0330Z list I416
 India - VU 3696-99 1400Z+ I414
 Jan Mayen - JX JX8XY to March I416
 Little Cayman ZF2KH/ZF8 Jan 3-10 I417
 Marion Is. - ZS8 VE3FXT Feb. doubtful I415
 Marshall Is. - KX KX6DS 7002 at 0900Z I408
 1833 kHz at 1000Z I410
 Mauritius - 3B 3B8CF 7005 02, 13Z I407
 1832 kHz at 0130Z I409
 Mayotte - FH FH8CB 14160 2200Z I413
 Morocco - CN CN8FC 7013 at 2200Z I414
 Nepal - 9N 9N5YDY Dec. 21-29 I414
 Colvins Dec. 25+ I416
 N. Antilles - PJ PJ2/W1BIH Jan 10+ I416
 New Caledonia FK TO8K- calls in Dec. I412
 Niue - ZK2 ZK2JS, MB Feb 21-26 I415
 Niger - 5U TU4BR/5U7 14160 21Z I407
 North Cooks - ZK ZK1WL for two years I417
 Revillagigedo XF4 by XE1s now (?) I417
 Rwanada - 9X 9X5NH 21292 13, 1800Z I417
 Senegal - 6W 6W7OG 14220 0530Z I417
 Sierra Leone 9L 9L1GG 14013 at 2200Z I404
 21025-30 2000Z+ I412
 South Orkney LU/Z LU1ZA 7007 01-0400Z I405

Sri Lanka - 4S by JA8RUZ Jan 1-8 I414
 DK1ZN/4S7, 4S7YLR
 Dec. 28-Jan 28 10-20 I417
 Sudan - ST PA0GAM/ST2 14024 kHz I401
 3501, 3512, 40M 0200Z I406
 Syria - YK OH6XY/4U active now I416
 Tanzania - 5H 5H1HK Zanzibar AF-32 I414
 Turkey - TA TA2L 21243 at 1500Z I416
 Vatican - HV HV1CN 14265 11-1200Z I415
 Willis - VK9Z VK9ZG 14198 1200Z I417
 Zaire - 9Q 9Q5NW 14180 2000Z, also
 9Q5YL. Try 21250 kHz I399
 Zimbabwe - Z2 Z24JS 21040 18Z Sun. I408
 Zone 23 BY9GA 20M RTTY 0130Z I416

DX Activities and Contests

Date	Event or Activity	Info
Dec. 31	TDXB Band Country total deadline	
1988		
Jan. 2-3	73 Mag 10M SSB Test	73
Jan 9, 10	73 Mag 15, 20 M SSB	73
Jan 16-17	73 Mag 160M Test	73
Jan 23, 24	73 Mag 40, 75 M SSB	73
Jan 29-31	CQWW 160M CW Test	CQ

Contributors

This Issue of The DX Bulletin would not have been possible without the invaluable assistance of the following:
 N4XX, KH6BZF, AB8K, AE1H, K0CVD, K1MEM, K1ST, K1TG, K4LNA, K7ABV, K7SLI, K9LJN, KA1BSZ, KA1XN, KA7T, KD7SO, KE7X, KH6HBZ, KJ4VH, KJ9I, KK4LM, KM9J, KW0A, N1DYI, N4DHY, N4NO, N4QAJ, N5FTR, N6IBP, NCDXC, ND3A, W0LHS, W0RJU, W0YVA, W1FV, W1HH, W1HZ, W1JR, W3FME, W3HCW, W4VQ, W6AUG, W6BJI, W6JOX, W6UQF, W8UVZ, W9MCJ, WA7WOC, WB3AVN, WB6AFJ, WB6MZQ, WB8ZRL, WB9HAD, WC5N, K3ZO, N1CIX, W4TMN, WA4SAC, OE2DYL, WB7RFA, OH1ZAA, N7NG, NN7A, WA8JOC, N6ND, VK9NS, W7KNT, W2GD, W1AW, LNDX, and DX-NL.
 Many thanks to all!

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